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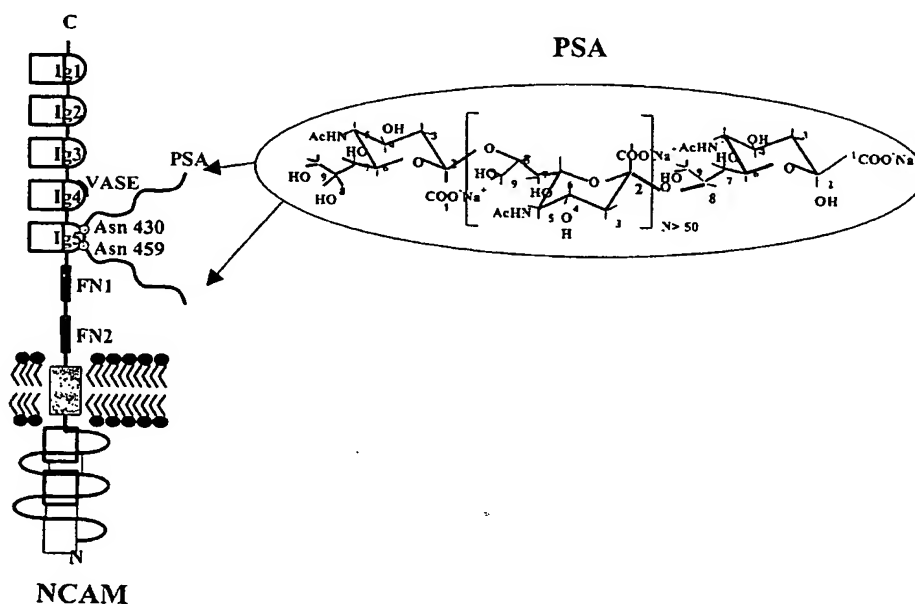
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(54) Title: USE OF POLY-ALPHA2,8-SIALIC ACID MIMETIC PEPTIDES TO MODULATE NCAM FUNCTIONS.



(57)-Abstract: The invention relates to the use of a peptide consisting of 5 to 30 amino acid residues, preferably 9 to 15, most preferably about 12 amino acid residues, said peptide comprising a B epitope of a poly- $\alpha$ -2,8 sialic acid attached to NCAM, which is recognized by an anti-poly- $\alpha$ -2,8 sialic acid (PSA) antibody, for the preparation of a medicament for modulating NCAM functions, to be administered for the prevention and/or the treatment of neurodegenerative diseases, brain and spine lesions, age-related learning and memory problems, and cancer.